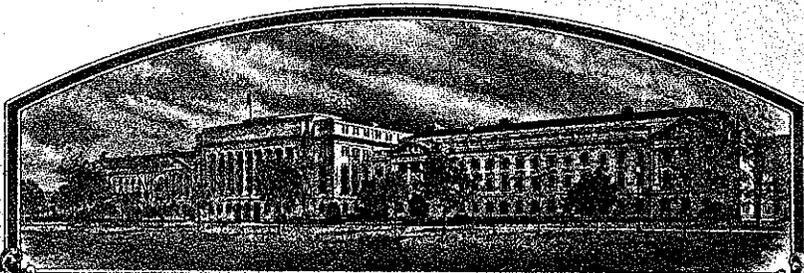


No.

780079



THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

Royal Sluis

**Whereas, THERE HAS BEEN PRESENTED TO THE
Secretary of Agriculture**

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREBY ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT (U.S.C. 1942, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

CAULIFLOWER

'Dok Elgon'



*In Testimony Whereof, I have hereunto set
my hand and caused the seal of the Plant
Variety Protection Office to be affixed
at the City of Washington
this 19th day of June in
the year of our Lord one thousand nine
hundred and eighty.*

Attest

Sumner H. Lane
Commissioner

DD 19

APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1a. TEMPORARY DESIGNATION OF VARIETY ELGON		1b. VARIETY NAME Dok ELGON <i>set 800522</i>		FOR OFFICIAL USE ONLY PV NUMBER 7800079	
2. KIND NAME CAULIFLOWER		3. GENUS AND SPECIES NAME Brassica oleracea var. botrytis		FILING DATE 11-12-77	TIME 3:00 P.M.
4. FAMILY NAME (BOTANICAL) Crucifers		5. DATE OF DETERMINATION August 1961		FEE RECEIVED \$ 250.00	DATE 6-2-78
6. NAME OF APPLICANT(S) ROYAL SLUIS, Koninklijke zaaizaadbedrijven, Gebr. Sluis, B.V.		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) 161, Westeinde Postbox 22 Enkhuizen - Holland		\$ 250.00	6-2-78
				\$ 250.00	12-26-79
				\$ 250.00	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) association		10. IF INCORPORATED, GIVE STATE AND DATE OF INCORPORATION		8. TELEPHONE AREA CODE AND NUMBER 02280-2741	

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

get. Mr. J.G. Timmerman - marketing department
Royal Sluis
Postbox 22, Enkhuizen
Holland

13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- 13A. Exhibit A, Origin and Breeding History of the Variety (See Section 52 of the Plant Variety Protection Act.)
- 13B. Exhibit B, Novelty Statement.
- 13C. Exhibit C, Objective Description of the Variety (Request form from Plant Variety Protection Office.)
- 13D. Exhibit D, Additional Description of the Variety.

14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? (See Section 83(a). (If "Yes," answer 14B and 14C below.) YES NO

14B. Does the applicant(s) specify that this variety be limited as to number of generations? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	14C. If "Yes," to 14B, how many generations of production beyond breeder seed? <input type="checkbox"/> FOUNDATION <input type="checkbox"/> REGISTERED <input type="checkbox"/> CERTIFIED
---	--

15. Does the applicant(s) agree to the publication of his/her (their) name(s) and address in the Official Journal? YES NO

16. The applicant(s) declare(s) that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable.

The undersigned applicant(s) is (are) the owner(s) of this sexually reproduced novel plant variety, and believe(s) that the variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act.

Applicant(s) is (are) informed that false representation herein can jeopardize protection and result in penalties.

(DATE)

(SIGNATURE OF APPLICANT)

INSTRUCTIONS

GENERAL: Send an original copy of the application, exhibits and \$250.00 fee to U.S. Dept. of Agriculture, Agricultural Marketing Service, Grain Division, National Agricultural Library, Beltsville, Maryland 20705. (See Section 180.175 of the regulations and rules of practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

5 Give the date the applicant determined that he had a new variety based on (1) the definition in Section 41(a) of the Act and (2) the date a decision was made to increase the seed.

13a Give (1), the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. (2), the details of subsequent stages of selection and multiplication. (3), the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4), evidence of stability.

13b Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties; (1) identify these varieties and state all differences objectively; (2) Attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.

13c Fill in the Exhibit C, Objective Description form for all characteristics, for which you have adequate data.

13d Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe; such as; plant habit, plant color, disease resistance, etc.

14A If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled or published or the certificate has been issued. However, if the applicant specifies "NO", he may change his choice. (See Section 180.15 of the Regulations and Rules of Practice.)

Dok
CAULIFLOWER, ELGON

JEF
800522

13 A EXHIBIT A

Dok ELGON® has been selected from a cross of Florablanca x Alpha x Dutch wintercauliflower. Via family selection, and line-selection in a later stage, the current type has been achieved.

Dok ELGON® appears to be stable and uniform through several years of multiplication.

13 B EXHIBIT B Novelty Statement

Dok ELGON® is a cauliflower type that completely differs from the presently known range.

Remarkably because of the deep curd, excellently self-covering, a characteristic that has been derived from a cross with Dutch wintercauliflower.

13 B Exhibit B : Novelty Statement ELGON

^{Dok} Elgon is an early autumn variety, with a growing period and planthabit comparable to Snowball Y. It differs from this variety in the following points:

- The curd is deeper. Snowball Y's curd depth is 12 cm ($s = 1,1; n = 13$) and ^{Dok} Elgon's is 14 cm ($s = 1,2; n = 13$)¹
- ^{Dok} Elgon has more selfcovering leaves. While Snowball Y has 10 self-covering leaves ($s = 1,0; n = 13$)¹ ^{Dok} Elgon has 12 selfcovering leaves ($s = 1,4; n = 13$).
- ^{Dok} Elgons leafcolor is darker. The outside color of the inner erected leaves is 138 B²) for ^{Dok} Elgon and 143 C²) for Snowball Y.

13 B Exhibit B : Novelty Statement Nimba Meda

Nimba Meda is an early autumn variety, with a growing period and planthabit comparable to ^{Dok} Elgon. It differs from this variety in the following points.

- Nimba Meda's curd is deeper. Nimba Meda's average curd depth on our trialfield is 16 cm ($s = 1,2; n = 13$)¹, while ^{Dok} Elgon's is 14 cm ($s = 1,2; n = 13$).
- Nimba Meda has a large number of selfcovering leaves. The average number is 15 ($s = 1,4; n = 13$) while ^{Dok} Elgon has 12 self-covering leaves ($s = 1,4, n = 13$).
- Nimba Meda's leaves are slightly darker than ^{Dok} Elgon's. The outside color of the inner erected leaves is 137 B²) and for ^{Dok} Elgon = 138 B²).

JE 800522

- 1) s = standarderror ; n = sample size
- 2) refers to the Royal Horticultural Society Colour Chart.

FORM GR-470-30
(7-1-74)

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
GRAIN DIVISION
HYATTSVILLE, MARYLAND 20782
OBJECTIVE DESCRIPTION OF VARIETY
CAULIFLOWER
(*Brassica oleracea* var. *botrytis*)

JEF 800522

NAME OF APPLICANT(S) ROYAL SLUIS, Koninklijke Zaaizaadbedrijven Gebr. Sluis B.V.	VARIETY NAME OR TEMPORARY DESIGNATION Dok ELGON
ADDRESS (Street and No., or F.F.D. No., City, State, and ZIP Code) 161, Westeinde Postbox 22 Enkhuizen - Holland	FOR OFFICIAL USE ONLY PVPO NUMBER 7800079

Place the appropriate number that describes the varietal character of this variety in the boxes below.
Place a zero in first box (e.g. 089 or 09) when number is either 99 or less or 9 or less.

1. REGION OF ADAPTATION: (Where best adapted in the U.S.A.)

1	1 = NORTHWEST	2 = NORTHCENTRAL	3 = NORTHEAST	4 = SOUTHEAST	5 = SOUTHWEST
	6 = MOST-REGIONS				

2. SEASON: (Main crop)

4	1 = LATE FALL - EARLY WINTER	2 = LATE WINTER - EARLY SPRING
	3 = LATE SPRING - EARLY SUMMER	4 = LATE SUMMER - EARLY FALL

3. MATURITY: (Days to 50% harvest)

1 0 7	FROM TRANSPLANTS	2 1	NO. DAYS HARVESTING PERIOD
0 9 7	FROM DIRECT SEEDING		

4. PLANT HEIGHT: (At harvest)

2 4	CM. FROM SOIL LINE TO TOP OF CURD		
0 3	CM. TALLER THAN	3	1 = EARLY ERFURT 2 = SUPER SNOWBALL A
0 4	CM. SHORTER THAN	4	3 = SNOWBALL Y
			4 = VEITCH AUTUMN GIANT
			5 = OTHER (Specify)

5. LEAVES:

2 3	TOTAL NUMBER	5 7	CM. AVERAGE LENGTH AT MID-POINT OF PLANT (Including Petiole)
		2 8	CM. AVERAGE WIDTH AT MID-POINT OF PLANT
1	1 = STRAIGHT MARGINS 2 = WAVY MARGINS	2	1 = THIN VEINS 2 = THICK VEINS
1	1 = MOSTLY SESSILE 2 = MOSTLY PETIOLATE		
	3 = EQUALLY SESSILE AND PETIOLATE		
3	COLOR: 1 = LIGHT GREEN 2 = MEDIUM GREEN (Snowball No. 10)	3	1 = UPRIGHT, EXPOSE-CURD
	3 = DARK GREEN (Lecerf Group) 4 = BLUSH GREEN (November)		2 = INCURVED, PARTIALLY COVER CURD
			3 = COMPLETELY COVER CURD (Self blanching)

6. CURD:

1 8	CM. DIAMETER	1 0	CM. DEPTH
-----	--------------	-----	-----------

5

6. CURD:

7800079

1 = TIGHT 2 = LOOSE

2 = 1 = SMOOTH 2 = KNOBBY

1 = BRIGHT WHITE 2 = CREAMY, DULL WHITE

3 = PURPLE-GREEN

3 = DOME 1 = FLAT 2 = SEMI-DOME

1 = NO LEAVES IN CURD 2 = LEAVES IN CURD

7. DISEASE RESISTANCE: (0 = Not Tested; 1 = Susceptible, 2 = Resistant. Specify race if known)

0 BLACK SPOT 0 CLUBROOT

0 PHYTOPHTHORA ROOT ROT 1 WHITE BLISTER

0 BLACK ROT 0 BOTTOM ROT

0 CERCOSPORELLA LEAF SPOT 0 DOWNY MILDEW

0 POWDERY MILDEW 0 VERTICILLUM WILT

0 BLACK LEG 0 CAULIFLOWER MOSAIC

0 RING SPOT 0 TURNIP YELLOW MOSAIC

0 YELLOWS 0 WIRE STEM

0 OTHER (Specify) _____

8. OTHER RESISTANCE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

2 "BUTTONING" 0 "BLINDNESS"

2 "RICEYNESS" 0 "WHIPTAIL"

0 INSECT (Specify) _____

9. INDICATE A VARIETY THAT MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	VARIETY	CHARACTER	VARIETY
MATURITY		PLANT COLOR	
ADAPTATION	NIMBA MEDA	CURD SIZE	
PLANT HABIT		CURD SHAPE	
PLANT SIZE		CURD COLOR	NIMBA MEDA

REFERENCE: Nieuwhof, M. 1969: Cole Crops — World Crop Series, Leonard Hill.

COMMENTS:

Handwritten notes and stamps in the comments section, including a stamp that reads "NIMBA MEDA".

OBJECTIVE DESCRIPTION OF NIMBA MEDA
 (Official description text, partially obscured)

rec'd Feb 5, 1978
JEF



ROYAL SLUIS

KONINKLIJKE ZAAZAADBEDIJVEN GEBROEDERS SLUIS B.V.

U.S.D.A.
Agricultural Marketing Service,
Nat. Agric. Library Building,
BELTSVILLE, Maryland 20705
U.S.A.

POSTBOX 22.1600 AA ENKHUIZEN
HOLLAND

January 25, 1979.

Att'n.: Mr. Thaddeus E. Frey - Examiner Plant Variety Protection
Office

Subject: Cauliflower Applications, ^{Dok}ELGON and NIMBA MEDA

Dear Mr. Frey:

As a result of your letters dated August 11 and 22, 1978, we have carried out an examination on our trialfield that has led to the following outcome:

^{Dok} Elgon and Nimba Meda have more resemblance to each other than to Snowball Y.

Specific differences determined on our 1978 trialfield are:
The leaves of Nimba Meda are somewhat darker than those of ^{Dok}Elgon.
The outside color of the inner erected leaves is for Nimba Meda 137 B*, and for ^{Dok}Elgon 138 B*. The leaves of Snowball Y are still a bit lighter, 143 C*.

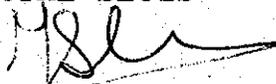
Nimba Meda has 15 self-covering leaves, ^{Dok}Elgon 12 and Snowball Y 10.

The depth of the curd:	Snowball Y	12 cm
	^{Dok} Elgon	14 cm
	Nimba Meda	16 cm

We hope that this information will be sufficient, and we are,

Sincerely yours,

ROYAL SLUIS


J.G. Timmerman / J. Sluis
Marketing Department

JEF
800522